

Message Text

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PAGE 01 SEOUL 00713 260907Z
ACTION OES-07

INFO OCT-02 EA-10 ISO-00 NRC-05 SOE-02 AID-05 CEA-01
CIAE-00 COME-00 DODE-00 EB-08 H-01 INR-07 INT-05
L-03 NSAE-00 NSC-05 OMB-01 PM-05 USIA-06 SP-02
SS-15 STR-06 TRSE-00 ACDA-12 PA-01 PRS-01 /109 W
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FM AMEMBASSY SEOUL
TO SECSTATE WASHDC PRIORITY 8954
DOE WASHDC PRIORITY
DOE GERMANTOWN PRIORITY

C O N F I D E N T I A L SEOUL 0713

DEPT FOR EA/K F. MISCH

DEPT FOR OES/NET/RD V. ADLER

DOE WASHDC R. WILLIT

E.O. 11652: GDS
TAGS: ENRG TECH KS
SUBJ: KOREAN PLANS TO INCREASE NUCLEAR ELECTRIC GENERATING CAPACITY

REF: A. SEOUL 0574, B. 77 SEOUL 5530, C. 77 SEOUL 10668

1. KOREA ELECTRIC COMPANY (KECO) WILL SHORTLY AWARD CONTRACTS FOR CONSTRUCTION OF TWO 997 MWE NUCLEAR POWER PLANTS, REFTEL (A), WHICH WILL BE LOCATED AT KORI NUCLEAR POWER STATION AND DESIGNATED KO-RI UNIT 3 AND UNIT 4. THESE PLANTS WERE REFERRED TO AS NUCLEAR PLANTS 5 AND 6 BEFORE SITE SELECTION.
2. KECO WILL BEGIN PREPARATION IN FEBRUARY OF A REQUEST FOR BIDS ON TWO ADDITIONAL 1000 MWE CLASS NUCLEAR PLANTS, REFERRED TO AS PLANTS 7 AND 8. THE ORDER FOR THESE PLANTS IS TO BE AWARDED DURING THE PERIOD OCTOBER-DECEMBER 1978. TENTATIVE SITE OF PLANTS 7 AND 8 IS KEMA-RI ON THE WEST COAST ABOUT
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4 MILES NORTHEAST OF POPSONG-PO WHICH IS JUST SOUTH OF THE BORDER BETWEEN CHOLLA NAMDO AND CHOLLA PUKTO PROVINCES. THE NEAREST CITY IS YONGGWANG.

3. TWO MORE 1000 MWE CLASS PLANTS, NO'S 9 AND 10, ARE EXPECTED TO BE ORDERED IN 1979.

4. SCHEDULE FOR ORDERING ADDITIONAL PLANTS HAS NOT BEEN DEVELOPED BUT KECO IS NOW USING INTERNATIONAL ATOMIC ENERGY AGENCY WASP CODE TO PROJECT FUTURE GENERATING CAPACITY REQUIREMENTS. ADAPTATION OF CODE TO KOREAN CONDITIONS AND IBM-370 WAS ACCOMPLISHED BY KOREA DEVELOPMENT INSTITUTE TEAM (REFTEL B) HEADED BY DR. KIM YOUN-KYUNG, NOW DIRECTOR OF PLANNING IN MINISTRY OF ENERGY AND NATURAL RESOURCES, AND KECO'S PLANS TO ORDER ABOVE PLANTS CLOSELY FOLLOW KIM TEAM RECOMMENDATIONS, REFTELS (B) AND (C).

5. USING THE WASP CODE WITHOUT PLANT SITE OR ELECTRIC GRID INPUT DATA YIELDED RESULTS FOR A LONG TERM POWER DEVELOPMENT PLAN THAT INCLUDED INSTALLATION OF 46 NUCLEAR POWER PLANTS IN KOREA BY THE YEAR 2000. THIS COMPUTER RUN WAS REPORTED IN THE JANUARY 21 ISSUE OF THE KOREA HERALD AND SHOULD NOT BE REPEATED NOT BE REGARDED AS KECO'S LONG TERM DEVELOPMENT PLAN. ADVANTAGE OF WASP CODE IS UPDATING FLEXIBILITY AND 46 NUCLEAR PLANTS BY YEAR 2000 COMPUTER RUN SIMPLY SUGGESTS NUCLEAR IS THE WAY TO GO IF YOU CAN LOCATE ALL NUCLEAR PLANTS AT LOABUCENTERS.
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